(translation)

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NOTICE OF REJECTION

Patent Application Number   2005-014967
Date of Drafting   December 5, 2006
Patent Office Examiner   YOKOYAMA Yoshihiro   3565 5I00
Attorney for Applicant   Hayakawa, Momma & Co. (IPS)
Applicable Article(s)   29-2 (Obviousness)

This application should be rejected because of the reasons shown below. When you would have opinion against them, please file your opinion within three months from the date of dispatch.

REASON

REASON 1:

The inventions according to the claims of this application below should be rejected because of the provision of the patent law article 29-2 (Obviousness). These inventions had been easily achieved by a person skilled in the art before their filing date based on the disclosures of the publications below distributed in Japan or foreign countries or made available for public via electronic communication lines before the filing date.

Remarks:

[List of References]

1. JP Publication of Unexamined Patent Application (PUPA) 2003-316616 (Especially refer to paragraphs [0025]-[0037], [0042]-[0046] and Fig 1 etc.)

2. International Publication 2003/083678 (Especially refer to line 22 of column 8 - line 13 of column 10, Figs 1, 2 and 8 etc.)

3. JP PUPA 2003-167683 (Especially refer to paragraphs [0007] and [0008] etc.)

4. JP PUPA H09-081432 (Especially refer to paragraphs [0020] etc.)

[Contents of the Reason]

1. For the inventions according to Claims 1-10:

[a] An art to forbid access by a server connected to SAN in a system in which a plurality of hosts access to a plurality storage devices via the SAN is described in the paragraphs [0025]-[0037], [0042]-[0046] and Fig 1 of Reference 1.

[b] Here, although there seems to be no description for write permission queue in Reference 1, as it is well known to send data write permission when the data write being not forbidden, the write permission queue for permitting the data write corresponding to communication paths can be employed appropriately by a person skilled in the art.

[c] And, an art is disclosed from line 22 of column 8 to line 13 of column 10, Figs 1, 2 and 8 etc. of Reference. In the art, an access control device that permits or to forbids the data write when a plurality of external devices are going to write data to a plurality of hard disk devices in a system comprising the access control device between the plurality of external devices, such as computers, and the plurality of hard disk devices.

[d] Further, because it is a well known art that the host tacks timestamps on commands when it issues the commands as also disclosed in the paragraphs [0007] and [0008] of Reference 3 and the paragraphs [0020] of Reference 4, it is obvious to arrange the commands in order based on the timestamp, when the commands should be executed in the order of their issuances.

[e] And the more, they are obvious to estimate terms between issuances and arrivals of the commands, to calculate the times of their issuances by substituting the estimated terms from the times of their arrivals and to arrange the commands in the order based on their issuances.

[f] Note that, a person skilled in the art can appropriately employ an art simply to send statuses to the host responsive to the data write.

Record of Prior Art Search Result

-The technical fields searched: IPC G06F 3/06, G06F 13/10

-Prior Art:

A. JP PUPA 2003-330622

-The result of this prior art search is not a part of the reason of rejection.

When you have question or request for interview regarding this notice of rejection, please contact below.

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